

Jonathan A. Bard, et al.
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Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-146 (Previously canceled)

Claim 147 (Previously presented) A method of obtaining a composition which comprises determining whether a chemical compound binds to a human Y4 receptor expressed on the surface of a mammalian cell transfected with a vector adapted for expressing the receptor in the cell, and if the compound binds to the receptor, admixing the compound with a carrier; wherein the human Y4 receptor (1) has an amino acid sequence identical to the amino acid sequence shown in Figure 1 (SEQ ID NO: 2), or (2) is encoded by a nucleic acid sequence identical to the receptor-encoding nucleic acid sequence contained in plasmid pcEXV-Y4 (ATCC Accession No. 75631).

Claim 148 (Currently amended) A method of obtaining a composition which comprises screening compounds to identify compounds which interact with, and specifically bind to a human Y4 receptor expressed on the surface of a mammalian cell transfected with a vector adapted for expressing the receptor in the cell, and if the compound interacts with and specifically

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binds to the receptor, admixing the compound with a carrier; wherein the human Y4 receptor (1) has an amino acid sequence identical to the amino acid sequence shown in Figure 1 (SEQ ID NO: 2), or (2) is encoded by a nucleic acid sequence identical to the receptor-encoding nucleic acid sequence contained in plasmid pcEXV-Y4 (ATCC Accession No. 75631).

Claims 149-152 (Previously Canceled)

Claim 153 (Currently amended) The method of any of claims 147 [or] or 148, wherein the composition is a pharmaceutical composition and the carrier is a pharmaceutically acceptable carrier.